

ABSTRACT

The invention concerns a light deflection device, and a control method for the light deflection device, which are rich in expandability of drive control. The light deflection device includes a polygon mirror to reflect the light beam; a rotor, having a magnet, to rotate the polygon mirror attached to the rotor; a stator on which a plurality of drive coils are fixed so as to generate a rotational force; and a plurality of connecting ports through which the plurality of drive coils are electronically coupled to a plurality of drive circuits, each of which drives the drive coils while controlling the rotational force to be generated between the magnet and drive coils. One of the drive circuits controls the rotational force during a start-up operation and a steady-rotating operation of the rotor, while another one controls the rotational force during a decelerating operation of the rotor.